

Special Issue

Symmetry/Asymmetry in Smart Nanomaterials

Message from the Guest Editors

This Special Issue of *Symmetry* provides a focused platform for recent advances in smart nanomaterials, with emphasis on symmetry and asymmetry in design, synthesis, and functional properties. Smart nanomaterials play an important role in next-generation technologies due to their tunable characteristics, responsiveness to external stimuli, and multifunctional performance. Contributions are expected to address current scientific and technological challenges, introduce innovative concepts and methodologies, and highlight emerging trends in fundamental research and practical applications. Topics of interest include, but are not limited to, quantum dots and advanced nanomaterial synthesis, innovative smart coatings and self-healing materials, high-performance sensors and biosensors, multifunctional composite systems for optics and electronics, and novel electrocatalysts for energy and environmental applications. We invite submissions of original research articles, short communications, and review papers. Researchers in related areas are encouraged to contribute to this Special Issue, providing an up-to-date perspective on symmetry-related phenomena in smart nanostructured systems.

Guest Editors

Dr. Hanna Malтанава

Department of Physics and Mathematics, Faculty of Science, Forestry and Technology, Itä-Suomen yliopisto, Kuopio, Finland

Dr. Nikita Belko

Department of Physics and Mathematics, Faculty of Science, Forestry and Technology, University of Eastern Finland, Kuopio, Finland

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Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

Prof. Dr. Sergei Odintsov
ICREA, 08010 Barcelona and Institute of Space Sciences (IEEC-CSIC),
C. Can Magrans s/n, 08193 Barcelona, Spain

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